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EUROPEAN PATENT APPLICATION

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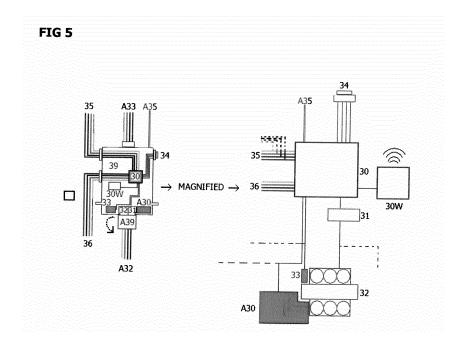
(54) Intelligent rotor/stator system with energy recovery and energy recycling

(57) The Invention is based on implementation of a Logic inside a Rotor/Stator device and/or a sensors and/or an actuators and/or an electronic devices connected to each other, which create a new family and a wide range of performance compared to those that this devices usually have

The main schematic (Fig5) shows a logic hardware like microprocessor or similar, one or more sensor (optional) one or more actuators (optional) one or more bidirectional communication ports (optional) one or more

device for recovery/management/storage of electric power obtained by Rotor kinetics energy convertion (optional).

This Invention gives the technology for the creation of a new family of intelligent electro-mechanical devices capable of SELF ADAPTIVE behavior, REAL TIME COMMUNICATION and AUTO-REPAIR of their operating parameters, to make available to other devices that are connected to them, the computational resources or the electrical power supply internally generated.



EP 2 506 099 A3



EUROPEAN SEARCH REPORT

Application Number EP 12 00 2227

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
ategory	Citation of document with i of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A		ASKAWA DENKI SEISAKUSHO per 1989 (1989-09-13)	1	INV. G05B19/042
X	HEIDENHAIN GmbH: 'Bidirectional Inter Encoders", Technical Informat	rface for Position	1	
	XP002659570, Retrieved from the URL:http://www.heid	denhain.in/fileadmin/pdb -25_EnDat_2-2_en.pdf -09-20]		
				TECHNICAL FIELDS SEARCHED (IPC)
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	The Hague	27 August 2013	Bas	ssi, Luca
X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another icularly relevant if combined with another icularly inclogical background written disclosure rmediate document	L : document cited for	ument, but publi the application r other reasons	shed on, or

EPO FORM 1503 03.82 (P04C01)



Application Number

EP 12 00 2227

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filling claims for which payment was due.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1
The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 12 00 2227

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claim: 1

Rotor/stator device capable to disable and reconfigure itself on the basis of information provided by internal sensors

2. claim: 2

Rotor/stator device with internal power storage and power management $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left($

3. claims: 3, 5

Rotor/stator device capable to send and receive power over communication lines

4. claim: 4

Networked rotor/stator device

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 12 00 2227

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-08-2013

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